

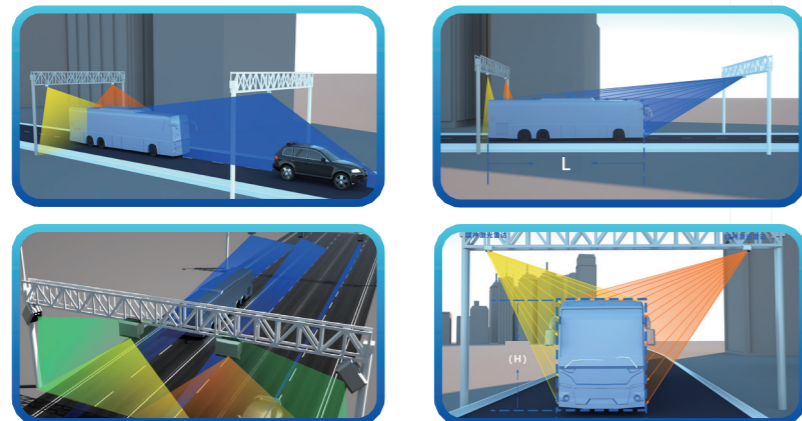


Fast Scanning LiDAR

905nm HS Series



HS series fast scanning LiDAR has excellent detection accuracy and anti-interference performance, with 100m detection range, measurement accuracy $\pm 2\text{cm}$, and up to 200Hz scanning frequency can be real-time sensing high-speed moving objects, accurately grasp vehicle contour information, It is widely used in vehicle and cargo contour detection, vehicle type detection, height limit detection, overshooting detection, high-speed ETC capture detection, entry and exit vehicle type classification, traffic flow statistics, ETC.



HS1

Laser	Wavelength	905nm
	Laser Class	Class I (IEC-60825)
SPEC	Channels	1
	Detection Method	TOF
	Detection Range	100m
	Range Accuracy	$\pm 2\text{cm}$
FOV	Horizontal	120°
	Angular Resolution	Horizontal 40Hz:0.09°/ 80Hz: 0.18°/ 120Hz:0.27°/ 160Hz:0.36°/ 200Hz: 0.45°
	FPS	40Hz / 80Hz / 120Hz / 160Hz / 200Hz
Export	Data Point Generating Rate (pts/sec)	53,000
	Communication Interface	Industrial Ethernet
Electric	Input Voltage	9V~36V DC
Environment	IP Grade	IP67
	Operating Temperature	-20°C~65°C
	Vibration Test	5Hz-2000Hz, 3G rms
	Shock Test	500m/sec ² , lasting for 11ms
Machine	Weight	1600g
	Dimensions (LxWxH)	155x107.5x90 mm

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